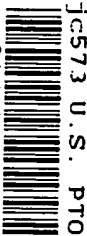


09/17/98



JCS73 U.S. PTO

Please type a plus sign (+) inside this box ☐ ☒

PTO/SB/05 (12/97)
Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

ID0835

Total Pages

4

First Named Inventor or Application Identifier

Mauger, et al.

Express Mail Label No.

EL158463659US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages 48]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 10]
4. Oath or Declaration [Total Pages]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ Small Entity ☐ Statement filed in prior application, Status still proper and desired
15. ☒ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other: _____

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

021498

or ☒ Correspondence address below

(Insert Customer No. or Attach bar code label here)

| | | | | | |
|---------|---|-----------|----------------|----------|----------------|
| NAME | John D. Crane, Registration No. 25,231 | | | | |
| ADDRESS | Northern Telecom - Patent Department PO Box 832130 | | | | |
| CITY | Richardson | STATE | TX | ZIP CODE | 75083-2130 |
| COUNTRY | USA | TELEPHONE | (972) 685-8442 | FAX | (972) 685-3030 |

Burden Hour Statement: This form is estimated take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

Note: Effective October 1, 1997.
 Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 1,246**Complete if Known**

| | |
|------------------------|----------------|
| Application Number | Unknown |
| Filing Date | Sep. 17, 1998 |
| First Named Inventor | Mauger, et al. |
| Group Art Unit | **** |
| Examiner Name | Unknown |
| Attorney Docket Number | ID0835 |

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number **50-0210**
 Deposit Account Name **Northern Telecom**

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
☒ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance

2. ☐ Payment Enclosed:
☐ Check ☐ Money Order ☐ Other

FEE CALCULATION**1. FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|-----------------|
| 104-790 | 201 395 | Utility filing fee | 790 |
| 106 330 | 206 165 | Design filing fee | |
| 107 540 | 207 270 | Plant filing fee | |
| 108 790 | 208 395 | Reissue filing fee | |
| 114 150 | 214 75 | Provisional filing fee | |
| SUBTOTAL (1) | | | (\$) 790 |

2. CLAIMS

| Total Claims | Extra | Fee from below | Fee Paid |
|------------------------------|-------|----------------|----------|
| 37 - 20 = 17 | X | 22 | = 374 |
| Independent Claims 4 - 3 = 1 | X | 82 | = 82 |
| Multiple Dependent Claims 0 | X | 270 | = 0 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|---|
| 103-22 | 203 11 | Claims in excess of 20 |
| 102-82 | 202 41 | Independent claims in excess of 3 |
| 104 270 | 204 135 | Multiple dependent claim |
| 109 82 | 209 41 | Reissue independent claims over original patent |
| 110 22 | 210 11 | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

456

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130 | 205 65 | Surcharge - late filing fee or oath | 0 |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | 0 |
| 139 130 | 139 130 | Non-English specification | 0 |
| 147 2,520 | 147 2,520 | For filing a request for reexamination | 0 |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | 0 |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | 0 |
| 115 110 | 215 55 | Extension for reply within first month | 0 |
| 116 400 | 216 200 | Extension for reply within second month | 0 |
| 117 950 | 217 475 | Extension for reply within third month | 0 |
| 118 1,510 | 218 755 | Extension for reply within fourth month | 0 |
| 128 2,060 | 228 1,030 | Extension for reply within fifth month | 0 |
| 119 310 | 219 155 | Notice of Appeal | 0 |
| 120 310 | 220 155 | Filing a brief in support of an appeal | 0 |
| 121 270 | 221 135 | Request for oral hearing | 0 |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | 0 |
| 140 110 | 240 55 | Petition to revive - unavoidable | 0 |
| 141 1,320 | 241 660 | Petition to revive - unintentional | 0 |
| 142 1,320 | 242 660 | Utility issue fee (or reissue) | 0 |
| 143 450 | 243 225 | Design issue fee | 0 |
| 144 670 | 244 335 | Plant issue fee | 0 |
| 122 130 | 122 130 | Petitions to the Commissioner | 0 |
| 123 50 | 123 50 | Petitions related to provisional applications | 0 |
| 126 240 | 126 240 | Submission of Information Disclosure Stmt | 0 |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | 0 |
| 146 790 | 246 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | 0 |
| 149 790 | 249 395 | For each additional invention to be examined (37 CFR 1.129(b)) | 0 |
| Other fee (specify) _____ | | | 0 |
| Other fee (specify) _____ | | | 0 |

* Reduced by Basic Filing Fee Paid

SUBTOTAL(3) (\$)

0

SUBMITTED BYTyped or Printed Name **John D. Crane**Signature **John D. Crane**Date **09/17/98****Complete (if applicable)**Reg. Number **25,231**Deposit Account User ID **50-0210**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Mauger, Roy Harold; Cable, Julian Frank Barry; and Hayball, Clive Colin
Serial No.: Unknown Group No.: ****
Filed: 09/17/1998 Examiner: Unknown
For: Communication System Architecture and Operating Methods Thereof



Assistant Commissioner for Patents
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

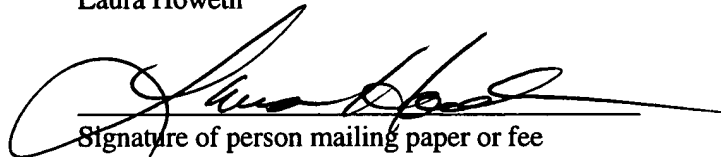
"Express Mail" label number EL158463659US
Date of Deposit 09/17/1998

I hereby state that the following *attached* paper or fee

New Utility Patent Application

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Laura Howeth

A handwritten signature in black ink, appearing to read 'Laura Howeth', written over a horizontal line.

Signature of person mailing paper or fee

(Express Mail Certificate)